ABSTRACT

An interference power calculation section 208
calculates an interference power value of each symbol
according to a calculation expression (interference power
= average power of parts unaffected by interference +
average power of parts affected by interference) and
notifies a turbo decoding section 209 of the calculated
interference power value.   The turbo decoding section 209
calculates σ^2 used to calculate an LLR of turbo decoding
according to a calculation expression (σ^2 = thermal noise
+ interference power) based on the interference power
value notified from the interference power calculation
section 208 and thereby changes σ^2 based on the
interference power value for each symbol notified from
the interference power calculation section 208.